960~1150nm Chirped Fiber Bragg Grating (FBG) for Pulse Power

FEATURES

- Various FWHM
- Low Insertion Loss
- Various Reflectivity
- High Reliability and Stability
- Package Free

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Fiber Sensor
- Fiber Laser

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength		nm	975, 976, 1018, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150
Center Wavelength Tolerance		nm	+/-0.5
Center Wavelength Mismatch		nm	0.2
Reflectivity		%	0.5~99.9
FWHM		nm	1~20
Side Mode Suppression Ratio (SMSR)		dB	A: ≥8; B: ≥10; C: ≥15; D: ≥20;E: ≥25;
Extinction Ratio (For PM Fiber Type)		dB	≥18
Fiber Type	SM Fiber	-	HI1060 Fiber, 6/125um NA=0.14(N), 5/130um NA=0.12(N1), 10/125um NA=0.075(O), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/400um NA=0.065(R1), 30/250um NA=0.06(R6), 30/400um NA=0.06(R3) or specified by customer
	PM Fiber		PM980 Fiber, PM1060L Fiber(E),6/125um NA=0.14(N), 5/130um NA=0.12(N1), 10/125um NA=0.075(O), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/400um NA=0.065(R1), 30/250um NA=0.06(R6), 30/400um NA=0.06(R3) or specified by customer
Cladding Power Mode		-	Transmitted or Stripped
Maximum Signal Average Power		W	1, 5, 10, 30, 50, 100, 300, 500, 1000, 2000, 3000
Max. Cladding Average Power		W	1, 5, 10, 30, 50, 100, 300, 500, 1000, 2000, 3000
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20, 50, 100
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Type	None	-	Recoating
	Stainless Steel Tube (SST)	-	^{Ø}3.0x^{L}60
	Metal Box	-	F: ^{L}50x^{W}5x^{H}5, J: ^{L}60x^{W}12x^{H}5

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FBGC-NNNN-NNCC - C (C) (C) -H NN PNN -(NN) - (C) C(N) C NN -CC/CCC

Center Wavelength	Reflectivity	FWHM	SMSR	Cladding Mode	SM or PM Fiber	Signal Power	Peak Power	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
975= 975nm	30= 30%	10= 1nm	A=≥8	T=Transmitte	P= PM Fiber	1= 1W	01= 100W	25=25W	F=F Type	E=10/125 SC or PM1060L Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1030=1030nm	01=1%	50=5nm	B=≥10	S=Stripped	*Blank* for SM Fiber	50= 50W	1= 1kW	50=50W	J=J Type	Q=20/130 DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1064= 1064nm	99=99%	100=10nm	C=≥15	*Blank* for None		1000= 1000W	10= 10kW	1000=1000W	S=SST	R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1080=1080nm	80=80%	150=15nm	D=≥20			3000= 3000W	100= 100kW	*Blank* for None	*Blank* for None	*Blank* for HI1060 or PM980 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector